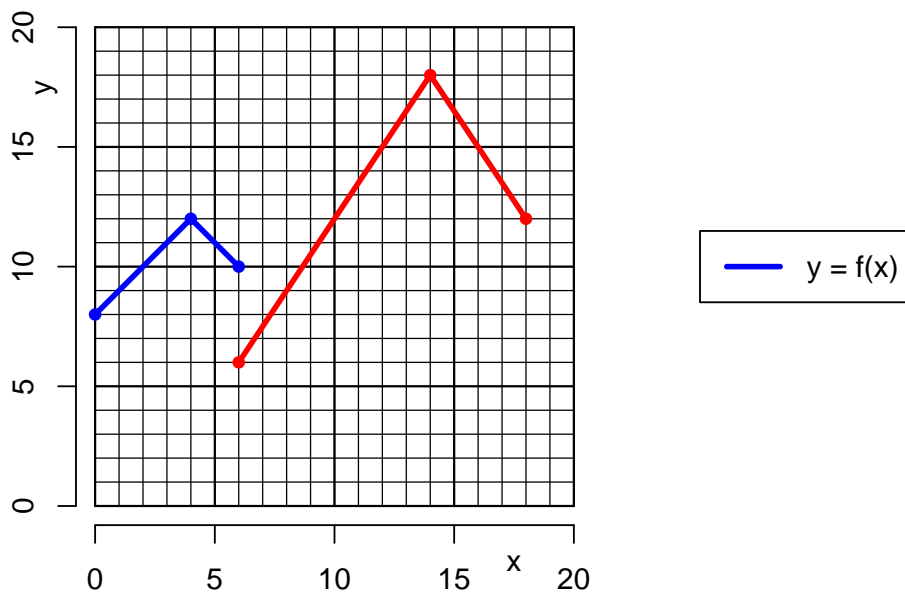# PCW_09_18 Find new points after transformation (version 4)

Question 1

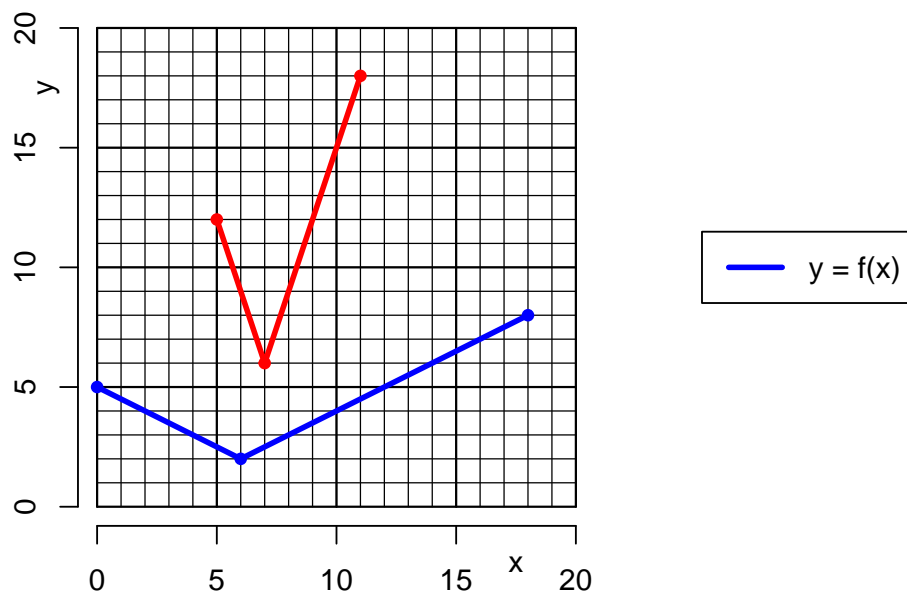Curve $y = f(x)$ contains points $(0, 8)$ and $(4, 12)$ and $(6, 10)$, as shown on the x-y plane below.

On the same plane, please draw the curve represented by the equation below:

$$y = 3\left(f\left[\frac{x}{2} - 3\right] - 6\right)$$

Question 2

Curve $y = f(x)$ contains points $(0, 5)$ and $(6, 2)$ and $(18, 8)$, as shown on the x-y plane below.

On the same plane, please draw the curve represented by the equation below:

$$y = 2f[3(x - 5)] + 2$$